

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT Assistant Secretary for Housing-Federal Housing Commissioner TO: DIRECTORS, HOUSING DIVISION DIRECTORS, MULTIFAMILY DIVISION DIRECTORS, SINGLE FAMILY DIVISION	Series and Series Number: (Supersedes issue dated October 31, 1994)
	MATERIALS RELEASE NO. 930e
	ISSUE DATE: March 23, 1998
	REVIEW DATE: March 23, 2001

SUBJECT: 1. Product Homasote® 440 Carpet Board
Carpet Underlayment (Water-Resistant)

2. Name and Address of Manufacturer Homasote Company
P.O. Box 7240
West Trenton, NJ 08628-0240

Data on the nonstandard product, described herein have been reviewed by the Department of Housing and Urban Development (HUD) and determination has been made that it is considered suitable from a technical standpoint for the use indicated herein. This Release does not purport to establish a comparative quality or value rating for this product as compared to standard products normally used in the same manner.

This Materials Release cannot be used as an indication of endorsement, or approval by HUD of the described product, and any statement or representation, however made, indicating such approval or endorsement by HUD is unauthorized. See Code 18, U.S.C. 709.

Any reproduction of this Release must be in its entirety.

USE: Underlayment (or leveler) for use under wall-to-wall carpet and pad.

DESCRIPTION:

Homasote Carpet Underlayment (water-resistant) is derived from the repulping of No. 1 grade newsprint. The processed stock is mixed with a waterproofing agent and pressed into Homasote® 440 Carpet Board.

Homasote® 440 Carpet Board is available in 1/2" and 5/8" thicknesses, and is available in 4' x 4' and 4' x 8' sheets for carpet underlayment.

Homasote Underlayment generally arrives at the construction site in bundles of 60 boards with a sheet of application instructions enclosed.

SPECIFICATIONS:

(Note - Homasote® 440 Carpet Board meets these specifications):

Density in pounds per cubic foot	26 - 28
Thermal Conductivity (k), BTU per hr., per square foot, per °F, per inch of thickness (ASTM C177)	0.43
Moisture Content	5% - 8%
Hardness, pounds (Janka Ball Test ASTM D1037)	248
Modulus of Elasticity, pounds per square inch (ASTM D1037)	97,690
Modulus of Rupture, pounds per square inch (ASTM D1037)	881

Tolerances of Dimensions (as manufactured)

Width	Max. allowable, inches $\pm 1/16$
Length	Max. allowable, inches $\pm 1/8$ (in an 8' length)
Thickness	Max. allowable, inches $\pm 1/32$

INSTALLATION:

Installation shall be in strict accordance with the manufacturer's current application recommendations if not in conflict with HUD Minimum Property Standards (MPS). Special attention shall be given to the following limitations:

1. When applied with adhesives or nails, or any combination thereof, no additional allowance shall be added to the design live load capacity used in calculation of allowable floor loading.
2. When applying to wood subfloors, make certain subfloor is nailed securely, and surface is clean and free from protruding nails.
3. Long dimension of underlayment shall be at right angles to subfloor. Stagger joints, making certain no joint coincides with joint in subfloor.

4. Leave 3/8" space between panel edges and baseboard or other structural member around perimeter of room. Fit remaining panels allowing 3/16" between abutting panels.
5. Start nailing or stapling in center of panel and work toward edges.
6. Nails shall be 1 1/4" ring groove nails or 4d cement coated sinker nails. Space nails 6" o.c. throughout the panel in rows of 16" or 24" apart depending on floor joist spacing, and no closer than 1/4" from panel edge.
7. Staples shall be 1 1/8" etched, galvanized or plastic coated, with divergent point. Space staples 6" o.c. throughout panel in rows 16" or 24" apart, depending on floor joist spacing, and no closer than 1/4" from panel edge.
8. Any floor mastic in general use may be employed for adhesive/nail installation provided the Homasote Company has approved it, and the manufacturer's directions are followed. Homasote approval may be given by category. If full adhesive application is used, nail spacing may be reduced as follows: Space nails a maximum of 24" o.c. throughout the panel, and space nails a minimum of 12" along edges.

MANUFACTURER'S WARRANTY:

Homasote Company, subject to compliance with the provisions and conditions stated herein, guarantees these products for a period of 20 years against any defect due to faulty material or workmanship in the manufacturing process, when installation has complied with applicable specifications and requirements.

Homasote Company will, at their option either (a) refinish, (b) repair, (c) replace, or (d) refund the purchase price of the defective underlayment. This guarantee applies only when the underlayment has been installed in accordance with Homasote Company's instructions. The guarantee does not apply to failure of, or damage to, the underlayment caused by natural catastrophe, fire, vandalism, riots, or other willful or negligent use.

There are no other expressed or implied guarantees or warranties. Homasote Company's sole responsibility is as stated herein, and it shall not be liable for consequential, indirect, or incidental damage.

MANUFACTURER'S RESPONSIBILITIES:

Issuance of this Materials Release (MR) commits the manufacturer to fulfill, as a minimum, the following:

1. Produce, label and certify the material, product or system in strict accordance with the terms of this MR.
2. Provide necessary corrective action in a timely manner for all cases of justified complaint, poor performance or failure reported by HUD.
3. When requested, provide the Office of Consumer and Regulatory Affairs, Manufactured Housing and Standards Division, HUD Headquarters, with a representative list of properties in which the material, product or system has been used, including complete addresses or descriptions of locations and dates of installation.
4. Inform HUD in advance of changes in production facilities, methods, design of the product, company name, ownership or mailing address.

EVALUATION:

This MR shall be valid for a period of three years from the date of initial issuance or most recent renewal or revision, whichever is later. The holder of this MR shall apply for a renewal or revision 90 days prior to the Review Date printed on this MR. Submittals for renewal or revision shall be sent to HUD Headquarters. Appropriate User Fee shall be sent to:

U.S. Department of Housing and Urban Development
Technical Suitability of Products Fees
P. O. Box 954199
St. Louis, MO 63195-4199

The holder of this MR may apply for revision at any time prior to the Review Date. Minor revisions may be in the form of a supplement to the MR.

If the Department determines that a proposed renewal or supplement constitutes a revision, the appropriate User Fee for a revision will need to be submitted in accordance with Code of Federal Regulations 24 CFR 200.934, "User Fee System for the Technical Suitability of Products Program", and current User Fee Schedule.

CANCELLATION:

Failure to apply for a renewal or revision shall constitute a basis for cancellation of this MR. HUD will notify the manufacturer or producer that the MR may be canceled when:

1. conditions under which the document was issued have changed so as to affect production of, or to compromise the integrity of the accepted material, product, or system,
2. the manufacturer has changed its organizational form without notifying HUD, or
3. the manufacturer has not complied with responsibilities it assumed as a condition of HUD's acceptance.

However, before cancellation, HUD will give the manufacturer a written notice of the specific reasons for cancellation, and the opportunity to present views on why the MR should not be canceled. No refund of fees will be made on a canceled document.

This Materials Release is issued solely for the captioned firm,
and is not transferable to any person or successor entity.
